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L3: Entry 1 of 25

File: USPT

Apr 8, 2003

US-PAT-NO: 6544510

DOCUMENT-IDENTIFIER: US 6544510 B2

TITLE: Bacterial strain, processed plant extracts, compositions containing same, processes for their preparation and their therapeutic and industrial applications

DATE-ISSUED: April 8, 2003

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Olshenitsky; Mark Natania IL Buchman; Genadi Bat Yam IL

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

The Bio Balance Corporation New York NY 02

APPL-NO: 09/ 986860 [PALM]
DATE FILED: November 13, 2001

PARENT-CASE:

This is a Divisional Application of U.S. application Ser. No. 09/725,846 filed Nov. 30, 2000, which is pending, which is a Continuation-in-Part of PCT Application Ser. No. IL00/00318, filed Jun. 1, 2000.

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY APPL-NO APPL-DATE
IL 130303 June 3, 1999

INT-CL: [07] $\underline{A01}$ \underline{N} $\underline{63/00}$, $\underline{A61}$ \underline{K} $\underline{35/78}$, $\underline{A61}$ \underline{K} $\underline{35/36}$, $\underline{A61}$ \underline{K} $\underline{39/116}$, $\underline{A23}$ \underline{L} $\underline{1/28}$

US-CL-ISSUED: 424/93.3; 424/93.48, 424/203.1, 424/543, 424/725, 424/747, 424/755, 424/757, 424/774, 424/775, 424/776, 424/777, 424/778, 424/779, 426/2, 426/61, 426/71

US-CL-CURRENT: <u>424/93.3</u>; <u>424/203.1</u>, <u>424/543</u>, <u>424/725</u>, <u>424/747</u>, <u>424/755</u>, <u>424/757</u>, <u>424/774</u>, <u>424/775</u>, <u>424/776</u>, <u>424/777</u>, <u>424/778</u>, <u>424/779</u>, <u>424/93.48</u>, <u>426/2</u>, <u>426/61</u>, <u>426/71</u>

FIELD-OF-SEARCH: 424/93.3, 424/93.48, 424/203.1, 424/725, 424/774, 424/777, 424/779, 424/543, 424/747, 424/755, 424/757, 424/775, 424/776, 424/778, 426/2, 426/61, 426/71

PRIOR-ART-DISCLOSED:

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FOREIGN-PAT-NO 2717492 1501098 56018565 WO 95/16461 WO 96/37210 WO 99/08532	PUBN-DATE September 1995 February 1978 February 1981 June 1995 November 1996 February 1999	COUNTRY FR GB JP WO WO WO	US-CL
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ART-UNIT: 1651

PRIMARY-EXAMINER: Tate; Christopher R.

ASSISTANT-EXAMINER: Srivastava; Kailash C.

ATTY-AGENT-FIRM: G. E. Ehrlich Ltd.

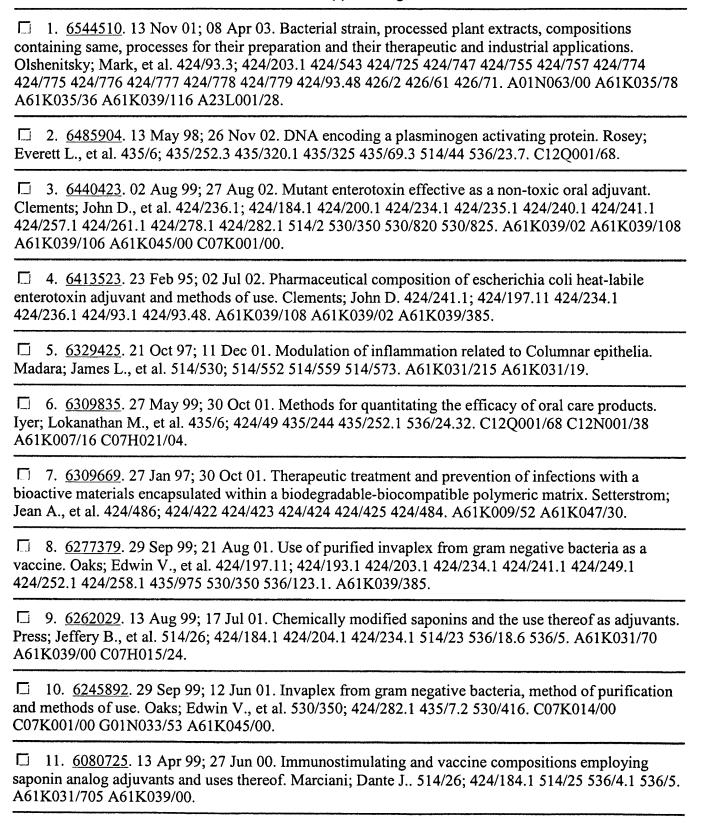
ABSTRACT:

The present invention discloses: (i) a non-pathogenic probiotic microorganism and its probiotic/therapeutic uses; (ii) a formulation comprising an aqueous solution of of a volatile fraction (VF) prepared from the extract of at least one plant derived material and its therapeutic uses; (iii) a process of manufacturing the formulation from the plant derived material; (iv) a probiotic composition comprising the non-pathogenic probiotic microorganism of the invention and/or other probiotic microorganism(s) and the formulation of the invention, and its probiotic/therapeutic probiotic/therapeutic uses; (v) a composition for industrial applications comprising comprising the formulation of the invention and microorganism(s) of industrial applicability; and (vi) industrial processes and apparatuses in which the latter composition is used.

19 Claims, 1 Drawing figures



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decreas\$ or reduc\$).clm.	23

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L4: Entry 1 of 7 File: USPT Apr 22, 2003

US-PAT-NO: 6551599

DOCUMENT-IDENTIFIER: US 6551599 B2

TITLE: Monoclonal <u>antibodies</u> against campylobacter jejuni and campylobacter coli

outer membrane antigens

DATE-ISSUED: April 22, 2003

INVENTOR - INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY

Mandrell; Robert E. Sonoma CA
Bates; Anna H. Lafayette CA
Brandon; David L. Berkeley CA

ASSIGNEE-INFORMATION:

NAME CITY STATE ZIP CODE COUNTRY TYPE CODE

The United States of America, as

represented by the Secretary of Washington DC 06

Agriculture

APPL-NO: 09/ 810873 [PALM]
DATE FILED: March 16, 2001

PARENT-CASE:

CROSS-REFERENCE TO RELATED APPLICATIONS This application is a divisional of pending application Ser. No. 09/277,599 filed Mar. 26, 1999, which is a non-provisional of provisional application Serial No. 60/080,166, filed Mar. 31, 1998 The prior applications are hereby incorporated herein by reference.

INT-CL: [07] A61 K 39/02

US-CL-ISSUED: 424/234.1; 424/130.1, 424/141.1, 424/150.1, 424/164.1, 530/387.1, 530/388.1, 530/388.2, 530/388.4, 530/387.5, 435/70.2, 435/70.21 US-CL-CURRENT: 424/234.1; 424/130.1, 424/141.1, 424/150.1, 424/164.1, 435/70.2, 435/70.21, 530/387.1, 530/387.5, 530/388.1, 530/388.2, 530/388.4

FIELD-OF-SEARCH: 530/350, 530/387.1, 530/388.1, 530/388.2, 530/388.4, 530/387.5, 424/130.1, 424/141.1, 424/150.1, 424/164.1, 435/70.2, 435/70.21

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

Search Selected Search ALL Clear

PAT-NO ISSUE-DATE PATENTEE-NAME US-CL

 5200344
 April 1993
 Blaser et al.

 5470958
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FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO PUBN-DATE COUNTRY US-CL WO 95/05850 March 1995 WO

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ART-UNIT: 1645

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ABSTRACT:

The present invention is directed to a method of producing monoclonal antibodies that are highly specific for (1) unique epitopes of Campylobacter jejuni (Cj) only and (2) epitopes conserved between Campylobacter jejuni and Campylobacter coli (Cc) outer membranes; to specific monoclonal antibodies made by the methods of the instant invention; and uses thereof The invention is drawn further to immunogens comprising the outer membrane complexes of Cj and Cc.

4 Claims, 34 Drawing figures



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